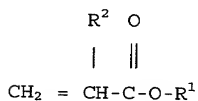


CLAIMS

1. Halogen-free, flame-retardant composition
that comprises at least either
5 an organic phosphorus compound (A),
melamine or a compound derived from melamine
(B),
or a melamine-phosphorus compound (AB),
characterised in that the composition also
10 contains
a polymer compound (C) comprising at least
one type of olefine having 2-12 carbon atoms
and 0.1-30 weight % (relative to the weight
of the polymer compound) of at least one
15 compound containing acid, acid anhydride or
epoxy groups.

2. Composition according to Claim 1,
characterised in that component (C) is a
polymer having a chemical composition based
20 on E, X and Y, E being an ethylene radical, X
a radical formed from the compound



where

R¹ = alkyl radical having 1-8 carbon atoms

R² = H, CH₃ or C₂H₅

and Y is a radical formed from glycidyl
(alkyl)acrylate.

3. Composition according to Claim 1,
characterised in that component (C) is an
ethylene/acrylic ester/glycidyl methacrylate,
35 ethylene/acrylic ester/maleic anhydride,

ethylene/glycidyl methacrylate,
ethylene/methacrylic acid, propylene/maleic
anhydride and propylene/acrylic acid polymer.

4. Composition according to Claim 3,
5 characterised in that component (C) is an
ethylene/acrylic ester/glycidyl methacrylate
terpolymer.
5. Composition according to Claim 4,
characterised in that component (C) is an
10 ethylene/methylmethacrylic ester/glycidyl
methacrylate terpolymer.
6. Composition according to Claim 1,
characterised in that component (C) is an
ethylene/alpha-olefine copolymer modified
15 with maleic anhydride.
7. Composition according to any one of Claims 1-
6, characterised in that the organic
phosphorus component(A) or the melamine-
phosphorus compound (AB) is a phosphate,
20 phosphinate or phosphonate.
8. Composition according to any one of Claims 1-
7, characterised in that melamine, melamine
cyanurate, melamine phosphate, melam, melem
or a mixture thereof is chosen as component
25 (B) of (AB).
9. Polycondensate composition that comprises the
flame-retardant composition according to any
one of Claims 1-8, characterised in that the
polycondensate is a polyester or a polyamide.
- 30 10. Polycondensate composition according to Claim
9, characterised in that the polyester is
chosen from the group comprising PET
(polyethylene terephthalate), PBT
(polybutylene terephthalate), PEN
35 (polyethylene naphthalate), PPT

(polyphenylene terephthalate) or PBN
(polybutylene naphthalate).

11. Polycondensate composition according to Claim
9, characterised in that the polyamide is
5 chosen from the group comprising polyamide-6,
polyamide-6,6 and polyamide-4,6.

12. Polycondensate composition according to any
one of Claims 9-11, characterised in that an
inorganic filler is also present.

10 13. Polycondensate composition according to Claim
12, characterised in that the inorganic
filler is glass fibre.

14. Polyester composition that comprises at
least:

- 15
- an organic phosphate or phosphonate;
 - melamine cyanurate, melamine phosphate,
melam, melem or mixtures thereof;
 - an ethylene/acrylic ester/glycidyl
methacrylate polymer;

20

 - glass fibres;
 - a polyester chosen from the group
comprising PET (polyethylene
terephthalate), PBT (polybutylene
terephthalate), PEN (polyethylene
25 naphthalate) or PBN (polybutylene
naphthalate).

15. Polyamide composition that comprises at
least:

- 30
- an organic phosphate or phosphonate;
 - melamine cyanurate, melamine phosphate,
melam, melem or mixtures thereof;
 - an ethylene/alpha-olefine copolymer
modified with maleic anhydride;
 - glass fibres

35

 - a polyamide chosen from the group

comprising polyamide-6, polyamide-6,6 and
polyamide-4,6.

16. Halogen-free flame-retardant composition and
polycondensate composition as described and
5 elucidated with reference to the examples.